

# Intelligent Addressable Detector Base Sounder BSO

## Overview

- Advanced intelligent functionality
- Fully digital addressing technology
- Includes Advanced ADEVA protocol
- Automatic synchronisation of sounder
- Low current draw enables more devices on loop
- Adjustable volume control (on device or from panel)
- Global tone set: 32 approved tones including bell tone
- Advanced protocol enabled controllable sound output, tone selection.
- Deep and high IP base options
- Rotary decade address switches
- In-built isolation options
- UV stable materials
- Suitable ceiling mount applications
- High efficiency piezo disk and horn profile generate excellent sound output
- Approved to EN 54 - 3:2001 + A1:2002 + A2:2006  
EN 54 - 17:2005 + AC:2007(for isolator)



G212157  
G212158

166h/03

## Description

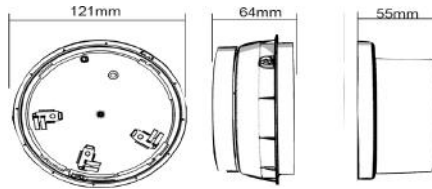
ADEVA's Base sounder is a high quality loop powered device designed to alert building occupants of an emergency. It utilizes the B501AP base for improved installation flexibility and integrates seamlessly with intelligent detectors. When triggered by the fire panel its powerful sounder gives an audible warning. A choice of output levels and tones make the device suitable for a wide variety of applications.

ADEVA sounder is a high quality 32 tone sounder featuring fast and simple installation and control and forms the perfect base for SS detectors. It is powered by the fire panel via the loop wiring. Control of the device is enabled using on-board switches some of which can also be adjusted through SS Advanced Protocol. The device is installed simply by a twist fit onto the B501AP base.

ADEVA devices are environmentally friendly and meet the WEEE and RoHS legislative requirements, minimising end of life disposal costs, and are mechanically and electrically backwards compatible.

# Advanced Intelligent Addressable Detector Base Sounder BSO

## Architect/Engineer Specifications



## Electrical Specifications

Supply Voltage	15 to 32VDC (Non-isolation) 15 to 28VDC (Isolation)
Standby Current	120µA (Non-isolation) 225µA (Isolation)
Max Current Consumption Sounder	<10.5mA (High Volume Tone 21 @24V)
Max Sound Output	95dB(A) +/- 3dB@1m (High Volume, Tone 8@24V) (Tone dependant - figure stated is based) on high volume 970Hz continuous @24VDC

## Environmental Specifications

Operating Temperature	-25°C to +70°C
Relative Humidity	up to 95% (non condensing)
Ingress Protection	IP24 (with low profile base) IP44 (with surface mount base) IP65 (waterproof base)

## Mechanical Specifications

Colour	Pure white or detector white (Ivory)
Weight	202g
Terminal Size	1.5 - 2.5mm <sup>2</sup> max
Number of Tonesxx	32
Volume Setting	High, Medium, Low

## Order Information

Device	Code	Skirt Colour	Body or Lens colour	Isolation	Customer ID	Example
Wall mount sounder	WSO	P = pure white D = detector white (ivory)	<b>Body:</b> R = red P = pure white D = detector white (ivory) <b>Lens:</b> R = red A = amber	I = isolation N = non-iso	00 to 99	WSO-PR-I03
Wall mount strobe	WST					WST- PA-N14
Wall mount sounder strobe	WSS					WSS-PC-I02
Detector base sounder	BSO					BSO-PP-I04
Detector base strobe	BST					BST-PR-N31
Detector base sounder strobe	BSS					BSS-DA-N26

## Bases

B501AP	Low profile Base
BRR, BDD, BPW	Surface mount deep base in red, detector white (ivory) or pure white
WRR, WDD, WPW	High IP surface mount deep base in red, detector white (ivory) or pure white

### ADEVA FIRE ALARM SYSTEM

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